AMENDMENT NO. 2 AUGUST 2023

TO

IS 3024 : 2015 GRAIN ORIENTED ELECTRICAL STEEL SHEET AND STRIP

(Third Revision)

(First *Cover Page, Title*) **—** Substitute the following for the existing:

‘**Cold Rolled Grain Oriented Electrical Steel Strip and Sheet Delivered in Fully Processed State**’.

(*Page* 1, *Title*) **—** Substitute the following for the existing:

‘COLD ROLLED GRAIN ORIENTED ELECTRICAL STEEL STRIP AND SHEET DELIVERED IN FULLY PROCESSED STATE’.

(*Page* 1, *clause* **1.1**) **—** Substitute the following for the existing clause:

‘**1.1** This standard covers the requirements of fully processed (in final annealed condition) cold-rolled grain-oriented, electrical steel sheet and strip and intended for the construction of transformer cores operating at moderate to high inductions at commercial power frequencies and other magnetic circuits.’

(*Page* 4, *Table* 2, *Note* 2) **—** Substitute the following for the existing:

“Grades may be delivered in domain or non-domain refined condition. In case if it is delivered with domain refinement then it is necessary to apply suffix ‘d’. Suffix ‘d’ indicates use of test method to certify a grade, in line with test method’s as defined in **15.4**.”

(*Page* 7, *clause* **15.4**) — Substitute the following for the existing:

15.4 The required tests for domain refined grades such as core loss to determine the core loss type (and for exciting current and peak permeability, when determined) shall be carried out in accordance with single sheet method given in IS 649 for domain refined grades which are not amenable for heat treatment. For domain refined grades which are not amenable for heat treatment the compliance with requirements given in Table 1 and Table 2 for the specific total loss at 1.7 T (50 Hz or 60 Hz) is to be treated on the basis an equivalent Epstein value obtained by multiplying the Single Sheet Testing (SST) measurement result at 1.7 T by a factor of conversion equal to 0.925. For domain refined grades which are amenable for heat treatment and non-domain refined grades, the test is to be carried out by Epstein method given in IS 649.”

(MTD 04)

Publication Department, BIS, New Delhi, India

(Price Group 1)